

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
18 August 2005 (18.08.2005)

PCT

(10) International Publication Number  
**WO 2005/076238 A1**

(51) International Patent Classification<sup>7</sup>: **G08B 25/10**

(21) International Application Number:  
PCT/SE2005/000170

(22) International Filing Date: 7 February 2005 (07.02.2005)

(25) Filing Language: Swedish

(26) Publication Language: English

(30) Priority Data:  
0400232-5 5 February 2004 (05.02.2004) SE

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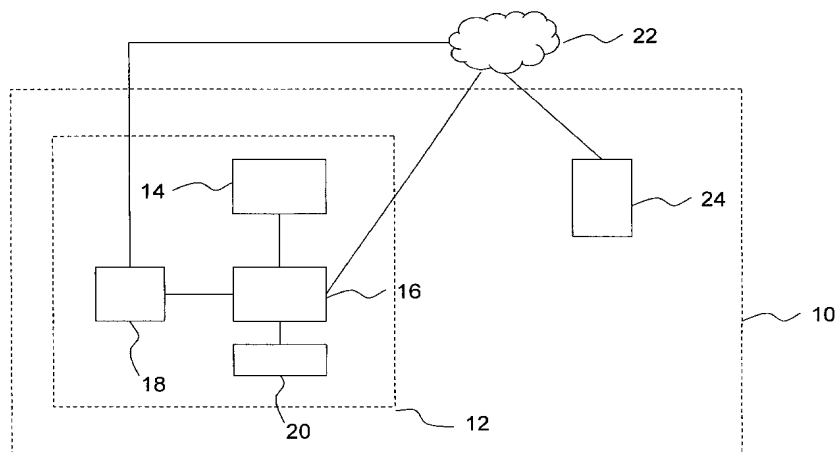
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**  
— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: AN ALARM SYSTEM



(57) **Abstract:** The present invention relates to an alarm system (10) intended to trigger an alarm signal upon deviation from at least one environment-dependent reference predetermined for a specific environment. The alarm system (10) comprises at least one portable unit (12) intended to be placed in said environment, which unit (12) has a size corresponding to a mobile telephone. Each unit (12) comprises a sensor system (14) adapted for detecting different states comprising at least vibrations. Furthermore, the alarm system (10) comprises a processor member (16) connected to the sensor system (14) and adapted for the comparison of signals received from the sensor system (14) and said predetermined environment dependent reference/references. The alarm system (10) further comprises a communication member (18) connected to the processor member (16) and adapted for wireless communication upon, for instance, the triggering of an alarm signal. Furthermore, the alarm system (10) comprises a memory member (24) connected to the processor member (16) via a distributed computer network (22) and adapted for the storage of said predetermined reference/references.

WO 2005/076238 A1